

FORM PTO-1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. DENSE-052A

SERIAL NO. 10/016,939

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

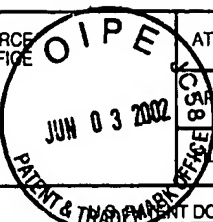
APPLICANT Glen E. Roeters, et al.

(37 CFR 1.98(b))

(Use several sheets if necessary)

FILING DATE December 14, 2001

GROUP 1775



EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CC	3	7	2	3	9	7	7	03-27-1973	Schaufele	—	—	
	3	7	4	6	9	3	4	07-17-1973	Stein	—	—	
	4	3	7	1	9	1	2	02-1-1983	Guzik	—	—	
	4	6	3	8	3	4	8	01-20-1987	Brown et al.	—	—	
	4	7	6	1	6	8	1	08-02-1988	Reid	—	—	
	4	8	4	1	3	5	5	01-20-1989	Parks	—	—	
	4	8	5	1	6	9	5	06-25-1989	Stein, Karl-Ulrich	—	—	
	4	8	6	8	7	1	2	09-19-1989	Woodman	—	—	
	4	9	5	6	6	9	4	09-11-1990	Eida	—	—	
	5	1	1	7	2	8	2	05-26-1992	Salatino	—	—	
	5	1	2	8	8	3	1	06-07-1992	Fox, III et al.	—	—	
	5	1	9	8	8	8	8	03-30-1993	Sugano et al.	—	—	

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JUN 08 2002
TC 1700

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
											YES	NO

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)

EXAMINER

DATE CONSIDERED

06/17/04

EXAMINER: Initial citation considered. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

Atty: Kit M. Stetina
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8. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CS	5 2 0 1 4 5 1	04-13-1993	Desai et al.	—	—	
	5 2 3 1 3 0 4	07-27-1993	Solomon	—	—	
	5 2 3 9 4 4 7	08-24-1993	Cotus et al.	—	—	
	5 2 6 9 4 5 3	12-14-1993	Melton et al.	—	—	
	5 2 8 2 5 6 5	02-01-1994	Melton	—	—	
	5 2 8 4 7 9 6	02-08-1994	Nakanishi et al.	—	—	
	5 3 1 1 4 0 1	05-10-1994	Gates, Jr. et al.	—	—	
	5 3 1 3 0 9 6	05-17-1994	Elde	—	—	
	5 3 2 4 5 6 9	06-28-1994	Nagesh et al.	—	—	
	5 3 2 8 0 8 7	07-12-1994	Nelson et al.	—	—	
	5 3 7 3 1 8 9	12-13-1994	Massit et al.	—	—	
	5 3 8 4 6 8 9	01-24-1995	Shen	—	—	

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[illegible]

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EC	5	4	4	8	5	1	1	09-05-1995	Paurus et al.			
	5	4	6	6	6	3	4	11-14-1995	Beilstein, Jr. et al.			
	5	5	1	4	9	0	7	05-07-1996	Moshayedi			
	5	6	0	7	5	3	8	03-04-1997	Cooke			
	5	6	1	2	5	7	0	03-18-1997	Eide et al.			
	5	6	4	6	4	4	6	06-08-1997	Nicewarner, Jr. et al.			
	5	7	0	0	7	1	5	12-23-1997	Pasch			
	5	7	1	2	7	6	7	01-27-1998	Koizumi			
	5	7	3	1	6	3	3	03-24-1998	Clayton			
	5	7	5	9	0	4	6	06-02-1998	Ingraham et al.			
	5	8	1	8	1	0	6	10-06-1998	Kunimatsu			
	5	8	6	9	3	5	3	02-09-1999	Levy et al.			

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		YES	NO											
CC /		6	-	7	7	6	4	4	1994	Japan			X	
/		4	2	0	9	5	6	2	1992	Japan				X
/		2	2	3	9	6	5	1	1990	Japan				X
/		5	6	8	8	3	2	4	1981	Japan			X	
/	6	0	1	9	4	5	1	8	1985	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Date**, Relevant Pages, Place of Publication***)			
CC ↓			ANONYMOUS, Organic Card Device Carrier, Research Disclosure, May 1990, Number 313 ✓
			"Megabyte per cubic inch," Defense Science, May 1988, p. 56 ✓
			"Three Dimensional Packaging," Defense Science, May 1988, p. 65 ✓
			Robert Amunroe, "Ball Grid Array Technology," EDN Products Edition, Jan 1997, pp. 23-24 ✓

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